

PERRIN

PERFORMANCE

2011 STI/WRX Sedan Catback Exhaust

2015-05-18

Thank you for purchasing this PERRIN product for your car! Installation of this product should only be performed by persons experienced with installation of aftermarket performance parts and proper operation of high performance vehicles. If vehicle needs to be raised off the ground for installation, the installer must use proper jacks, jack-stands and/or a professional vehicle hoist for safety of the installer and to protect property. If the vehicle is lifted improperly, serious injury or death may occur! Please read through all instructions before performing any portion of installation. If you have any questions, please contact our tech department prior to starting installation. We can be reached in any of the following methods:

Email Tech@PERRINperformance.com

Instant Chat off the main page of www.PERRINperformance.com

Or simply call our tech team at 503-693-1702

GENERAL MODIFICATION NOTE

Modifications to any vehicle can change the handling and performance. As with any vehicle extreme care must be used to prevent loss of control or roll-over during sharp turns or abrupt maneuvers. Always wear seat belts, and drive safely, recognizing that reduced speeds and specialized driving techniques may be required. Failure to drive a vehicle safely may result in serious injury or death. Do not drive a vehicle unless you are familiar with its unique handling characteristics and are confident of your ability to maintain control under all driving conditions. Some modifications (and combinations of modifications) are not recommended and may not be permitted in your state or country. Consult the owner's manual, service manual, instructions accompanying these products, and local laws before purchasing and installing these modifications. You are responsible for the legality and safety of the vehicle you modify using these components.

SPECIAL NOTES:

- The use of a factory service manual is highly recommended. These can be purchased online at <http://techinfo.subaru.com>.
- The use of penetrating oil will greatly reduce the chances of galling threads on bolts as they are removed.
- The use of lubricant on the hangers will aid in removal from car.
- Taking time to adjust muffler sections will pay off. Make sure and pay attention to the slip fits and how much they are pushed in or pulled out, as well as the rotation of them. This along with the rotation of the V-band all effect how the tips line up with the bumper. We suggest leaving all parts slightly loose, then holding parts in place until they fit to the bumper in the desired direction.
- Due to differences between cars, there may be little clearance between mid pipe and heat shield by the downpipe connection. If clearance is tight, heat shield can be bent by simply pushing it up and away.

Parts Included with the PERRIN Exhaust System:

- (1) Left and Right STI Quad Tip Sedan Muffler sections
- (1) WRX Sedan Resonated Midsection
- (1) WRX Sedan Axle Back Y-section
- (1) 312 Size PERRIN V-band clamp
- (1) 3.0" Accuseal Clamp
- (2) 2.25" Accuseal Clamps
- (1) 3" Gasket
- (2) 2.25" ID Gaskets
- (1) 3/8" Collar Clamp
- (6) 3/8-24 x 2" hex bolts grade 8
- (12) 3/8 flat washer
- (6) 3/8 split washer
- (6) 3/8-24 grade 8 nuts
- (2) M8 x 40 Hex head bolt
- (2) M8 Nuts
- (2) M8 Fender washers
- (2) M8 washer

- 1) Remove factory exhaust system from car. Use factory service manual for additional details. It can be helpful to have a second person on hand to help.
- 2) Install mid section of exhaust with resonator to downpipe. **Note: Install midpipe so it bends down and away from car.**
 - a. If OEM downpipe is being used, remove gasket install flat gasket and secure with included M8 hardware.
 - b. If aftermarket downpipe is being used, install using supplied 3/8-24 hardware and flat gasket.
- 3) Install supplied 3.0" Accuseal Clamp to midpipe with resonator, then slide rear 3" midpipe into this connection, while at the same time install the hanger into the rubber hanger on chassis. Make sure to leave slip fit loose for now.

- 4) Slide short tubes with flanges off of Y-pipe and install supplied 2.25" Accuseal Clamps. Re-install tubes with flanges to each side of y-pipe. Leave both clamps loose at this time. **NOTE: Make sure to keep left tube/flange on left side of system and right tube/flange on right side of system.**
- 5) Install Y-pipe section of exhaust onto mid-pipe section using supplied V-band clamp. Leave connection slightly loose until final step.
- 6) Install mufflers into hangers using supplied gaskets and hardware to secure mufflers to y-pipe. Leave connections slightly loose until system is adjusted.
- 7) Install (1) 3/8" collar clamp to hanger on midpipe. This can be used to adjust system left to right during the adjusting step.
- 8) With system installed, (connections still loose) adjust system to desired position and tighten bolts and flanges starting from front of car working toward back of car. NOTE: Adjustments can be made at v-band connection, (3) slip fit connections, rubber hangers, and muffler flange connection. **NOTE: Make sure that there is at least 3/4" of clearance between exhaust and axle boot. This is important to ensure no damage to axle and boot occurs.**
- 9) Once system is adjusted, tighten Accuseal clamps to until clamp bottoms out on its self. **Note: Due to differences between cars, there may be little clearance between mid pipe and heat shield by the downpipe connection. If clearance is tight, heat shield can be bent by simply pushing it up and away.**
- 10) Tighten all bolts to 25ft-lbs of torque, and v-band clamp to 75 in-lbs.
- 11) Start vehicle and check for leaks prior to driving vehicle. (NOTE: DO NOT START VEHICLE IN AN ENCLOSED AREA AS DEATH CAN RESULT FROM CARBON MONOXIDE POISONING. ALWAYS OPERATE IN A WELL-VENTILATED AREA!)

SPECIAL NOTES: NEW EXHAUST SYSTEMS WILL HAVE SOME ODOR AND OR SMOKE ASSOCIATED WITH THE INSTALLATION AND BREAK IN PROCESS. BOTH SHOULD BE ELIMINATED WITHIN 100 MILES OF FREEWAY DRIVING. HOWEVER IF EXCESSIVE SMOKE OR ODOR IS NOTED AT INITIAL START-UP, CHECK ENTIRE INSTALLATION PRIOR TO PROCEEDING TO TEST DRIVE. ALSO, STAINLESS STEEL WILL DISCOLOR THROUGHOUT THE LIFETIME OF THE SYSTEM. THIS IS NORMAL AND NOT CAUSE FOR CONCERN.

**Questions, Comments and Suggestions Contact: Tech@PERRINperformance.com
Visit Our Website for Instant Chat Options at www.PERRINperformance.com
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